

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/052591A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/63

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>RECILLAS-TARGA FELIX ET AL: "Position-effect protection and enhancer blocking by the chicken beta-globin insulator are separable activities" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 99, no. 10, 14 May 2002 (2002-05-14), pages 6883-6888, XP002274806 May 14, 2002 ISSN: 0027-8424 abstract page 6883, right-hand column, line 13 – line 32 page 6886, right-hand column, paragraph 1 figure 4D figure 5 page 6887, right-hand column, line 3 – page 6888, right-hand column, last line</p> <p>—/—</p>	1-30

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

16 February 2005

23/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Niebuhr-Ebel, K

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/EP2004/052591

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BELL ET AL: "The Protein CTCF Is Required for the Enhancer Blocking Activity of Vertebrate Insulators" CELL, CELL PRESS, CAMBRIDGE, MA, US, vol. 98, no. 3, 6 August 1999 (1999-08-06), pages 387-396, XP000926124 ISSN: 0092-8674 page 388, left-hand column, paragraph 2 - right-hand column, paragraph 2 figure 1B figure 2A page 393, left-hand column, last paragraph - right-hand column, paragraph 1 & WO 01/02553 A (BELL ADAM, WEST ADAM, FELSENFELD GARY) 11 January 2001 (2001-01-11)</p> <p>-----</p>	1-30
A	<p>CHUNG J H ET AL: "Characterization of the chicken beta-globin insulator" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, US, vol. 94, no. 2, 21 January 1997 (1997-01-21), pages 575-580, XP002155512 ISSN: 0027-8424 figure 3</p> <p>-----</p>	1-30

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat'l application No
PCT/EP2004/052591

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0102553	A 11-01-2001	AU 776752 B2	23-09-2004
		AU 4647500 A	22-01-2001
		CA 2377929 A1	11-01-2001
		EP 1196612 A2	17-04-2002
		JP 2003504016 T	04-02-2003
		WO 0102553 A2	11-01-2001

BEST AVAILABLE COPY